

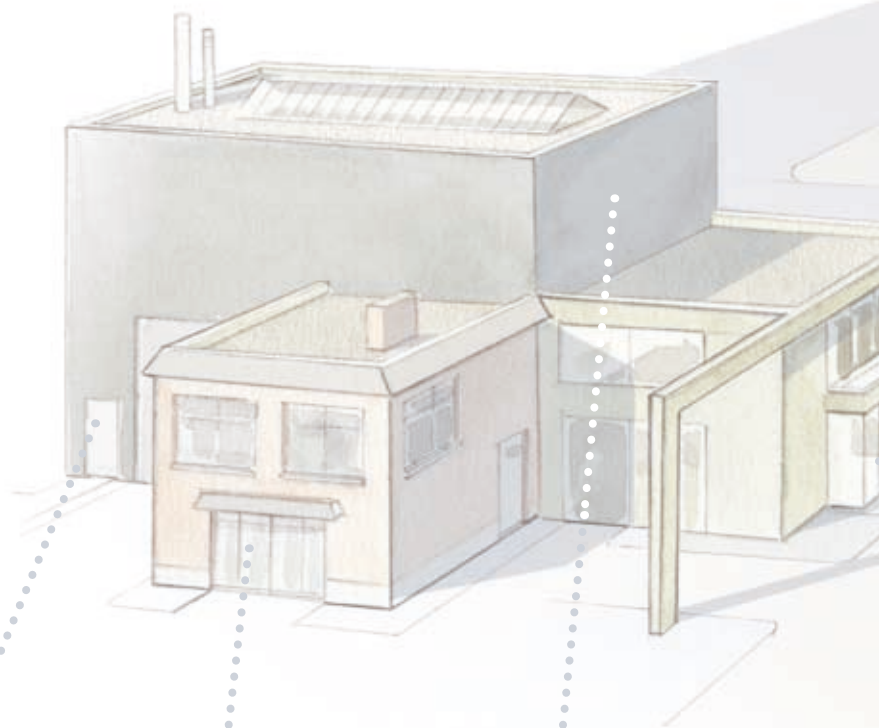
# EBS

## ETAP Central Battery Systems



The ETAP EBS range provides central battery systems for emergency lighting installations, ranging from small to large building projects and from new projects or renovation to standard lighting and specific emergency lighting. EBS products meet all safety, legal and functional requirements.

With the EBS system, ETAP provides a full central battery product portfolio which complements its extensive range of high-quality lighting, emergency lighting and central monitoring systems.



In addition to standard project requirements, central battery systems are very well suited to cover a number of special demands:



*Strong illumination requirements: in high risk industrial environments where a very high level of illumination must be provided to ensure optimum safety.*



*Refurbishment of existing installations: re-use of installed wiring is the key driver.*



*Accessibility issues as often found in production areas, market halls, and sport event areas, or in clean rooms or white rooms.*

## EBS COVERS YOUR EMERGENCY LIGHTINGS NEEDS



*Aesthetic integration: in buildings and sites with an architectural concept where escape route and anti-panic lighting is completely integrated into the normal functional lighting.*



*Extended autonomy: a longer autonomy may be necessary in certain hospitals or elderly homes where periods of more than 3 hours of emergency back up are required.*



*Extreme temperature conditions as in open car parks, outside emergency escape routes and cold stores or freezers. The batteries need to be well protected to ensure proper operation under all circumstances.*





The ETAP central battery system range consists of various products to meet the specific needs of each application:

#### **EBS Static**

EBS Static's configuration is pre-defined at the beginning of a project, based on the specific needs. The number of non-maintained and maintained output circuits and the external switching possibilities of the latter are pre-customised. The EBS Static is easy to install and can be commissioned effortlessly.

#### **EBS Dynamic**

EBS Dynamic is a flexible system that can be adapted to the changing needs of a building. It can be extended to manage and operate up to 132 output circuits which can all be easily programmed for the different modes of operation.

#### **EBS Superior**

With EBS Superior a new concept of central emergency lighting is introduced. It is based on decentralised intelligence, which means different power lines and local emergency circuits are managed locally. The central source itself can be implemented as battery supply, generator or secondary emergency net supply. Using the EBS Superior a significant reduction in cabling complexity can be achieved.

### **Predefined systems**

For buildings requiring limited configuration needs, a number of predefined systems are available. These configurations are readily available and are shipped at short notice.

#### **EBS Group**

To provide emergency lighting in a small area for which an energy capacity of 1.5 kWh is sufficient, ETAP has the EBS Group. The EBS GROUP is an easy to install configuration which is ideally suited for small to medium sized building projects.

#### **EBS Dynamic Light**

Buildings that do not require more than 21 kWh and need a maximum of 44 output circuits can be equipped with an EBS Dynamic Light system.

## EBS Static



- simple commissioning
- no on site configuration

## EBS Dynamic



- flexible
- configurable on site

## EBS Superior



- decentralised intelligence
- reduced cabling

## EBS Group



- medium-sized projects
- max 1.5 kWh

## EBS Dynamic Light



- max. 44 output circuits
- max 21 kWh

## Complete solutions

With the ETAP centrally supplied systems and our extensive range of emergency and general lighting luminaires, we provide an optimised solution for each application. We guarantee seamless integration of all components, and an easy installation and commissioning.



## Pre-sales and post-sales assistance

Starting from your defined escape route and fire contingency set up, ETAP will guide you throughout the whole emergency lighting project, from concept to implementation. Detailed lighting schemes and system dimensioning can be provided in the study phase. We then work out a detailed quote and assist you during the installation and commissioning. Once the system is up and running, we remain at your service for further assistance and troubleshooting.



## System integrity under control

Using addressable surveillance modules in the emergency lighting luminaires and in the luminaires for general lighting purposes that are part of the emergency lighting, malfunctions of the luminaires can be located and visualised on the integrated LCD display, or transferred to a PC. This allows operators and maintenance personnel to quickly and easily ensure emergency lighting system integrity.

Features	Benefits	System
Powerful management capabilities	All EBS systems contain a powerful yet easy to use control interface that monitors the normal power supply, operates the emergency output circuits and manages the periodic testing schemes of the entire installation.	All systems
Easy to use and intuitive control tools	All ETAP systems are fitted with monitoring features for the electrical circuits, allowing individual luminaires to be monitored. They are visualised on the EBS control panel or a customised surveillance program on PC.	All systems
Simple configuration	When using the addressable FLEX surveillance modules, maintained or non-maintained and switched maintained luminaires can be mixed in the same circuit, thus reducing the number of circuits needed to supply emergency energy to each zone.	All systems
High flexibility	The ETAP EBS range can be customised to the needs of any building or site. Expanding or adapting the system to future changes at a later stage is easily done .	EBS Dynamic EBS Superior
Off the shelf availability	Predefined configurations with a preset number of output circuits and offering a capacity up to 21 kWh, are available immediately.	EBS Group EBS Dynamic Light
Robust system architecture	The EBS Superior system combines decentralised intelligence with centralised power management. The system vulnerability is thus minimised.	EBS Superior
Multi power sourcing	The EBS Superior system is designed to operate with multiple power sources: battery supply, emergency generator or secondary mains supply.	EBS Superior



# EBS

## ETAP Battery System



- Complete solutions
- Pre-sales and post-sales assistance
- System integrity under control
- Powerful management capabilities
- Easy to use and intuitive control tools
- Simple configuration
- High flexibility
- Off the shelf availability
- Robust system architecture
- Multi power sourcing

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